

# Math Matters

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## What's That Word?

A **PRODUCT** is a number or a quantity obtained by multiplying two or more numbers together.

A solid figure (3D) that has six faces that are rectangles is called a **RECTANGULAR PRISM**

A closed, plane shape (2D), with 3 or more straight sides is called a **POLYGON**

A fraction with a numerator of 1 is called a **UNIT FRACTION**. Other fractions can be thought of as being composed of unit fractions (ex.,  $\frac{3}{4}$  is three  $\frac{1}{4}$ 's)

### Click It!

#### Check out these websites:

- ◆ [Bedtimemath.org](http://Bedtimemath.org) Daily real-world math problem solving at multiple levels.
- ◆ [Talkingmathwithkids.com](http://Talkingmathwithkids.com) A resource for ways to talk with kids about math and ideas for things to talk about too!
- ◆ [Mathbeforebed.com](http://Mathbeforebed.com) Ideas to engage with your kids in nighttime or anytime numeracy.
- ◆ [Math Activities to do with kids](#). 16+ ideas of activities and explorations involving math

## Summer Math Passport is Back!

Throughout the year our students have worked hard to become mathematicians. Mathematicians don't spend time practicing math they've already learned, they apply the math they know to make sense of the world around them!

Real world math is collaborative, requires decision-making, connects to the world around us, and is interesting and engaging!

This summer you have the opportunity, once again, to think like mathematicians with the return of the Thomaston Summer Math Passport!

The Thomaston Summer Math Passport is a math-themed adventure designed to help students engage in problem solving over the summer while building upon math content and critical thinking skills learned throughout the school year. The Passport itself is a full-color booklet containing math problems linked to participating businesses around town. Students receive their passports during the last week of school and can start visiting businesses when school ends on June 14th.



Where will math take you this summer?

## Thomaston's Summer Math Passport is Expanding!

This year there are new places to visit! In addition to last year's participating businesses look for:

- CrossFit Override
- Railroad Museum of New England
- Thomaston Post Office
- Thomaston Dam
- Thomaston Town Clerk
- Thomaston Parks

The passport is also expanding beyond Thomaston. Region 6 and New Milford have heard about the success of our Summer Math Passport and have created similar programs for their students!

## Meaningful Math

As you spend the summer enjoying some extra family time, a little more vitamin D, and trying to stay cool, look for opportunities to engage in discussions with your kids about math! The summer math passport is one way to do this.

Looking for other ideas as well? Follow this link to [Take on the Commissioner's Summer Math Challenge](#) or check out some of the websites listed in the Click It! section of the newsletter!



## Recommended Reading

Measurement (grades 2-5):

### On the Scale, A Weighty Tale

by Brian Clearly

Early Multiplication grades 2-4):

### Amanda Bean's Amazing Dream

by Cindy Neuschwander

Counting and Place Value (grades K-3):

### Zero

by Kathryn Otoshi

Problem Solving (grades K-6):

### Bedtime Math: The Truth Comes Out

by Laura Overdeck

## Math Jokes, Riddles, and Tips!

Why was 6 afraid of 7?

Answer: Because Seven eight nine!

Why DID Seven eat Nine?

Answer: Because you are supposed to eat 3 squared meals a day.

Why was the equal sign so humble?

Answer: Because she knew she wasn't greater than or less than anyone else..

## Figure It Out Together!

### Play It:

Try these games from [youcubed.org](http://youcubed.org)

### (3-6) Tic-Tac-Toe Products

#### Materials:

- Two markers for the bottom row of factors (for example, paper clips)
- Two sets of different markers for each player to cover each product (for example, pennies and nickels)
- [Tic-Tac-Toe Products Game Sheet](#)

#### Directions:

Player X and Player O select one factor, 1 – 9 at the bottom of the page and place one of the markers on that factor. Player X may move only one of the two markers to a new factor. Player X then places a marker on the grid covering the product of the two factors. Player O may move only one marker to make a new product and place their marker on the grid. The markers can both be placed on the same factor. For example  $6 \times 6 = 36$ . Players alternate moving one factor marker at a time and continue placing their markers on the grid until a player has marked four products in a row. After the game players should discuss their strategies.

### (1-3) Tic-Tac-Toe Sums

#### Directions:

Use the same materials and directions as above, but use the [Tic-Tac-Toe Sums Game Sheet](#). While playing the sums version the numbers along the bottom will be the addends and the numbers on the board will be the sums.

All squares are rhombuses, but not all rhombuses are squares.

All squares are rectangles, but not all rectangles are squares.

When is a rectangle also a rhombus?

Answer: When it's a square!



## There's an App for That

Math Challenges to Stretch Your Thinking:

Polyup (free)

Area Maze by Happymeal Inc. (free)

Daily SET Puzzle by CF Digital LLC (free)

Fourte by Jambav Inc. (free)

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*Have a great math riddle, tip, trick, website or book to share? Have questions, comments, or concerns?*

*Contact us by email at:*



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